PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 111828.111PC	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/US2004/028637	International filing date (day/month/year) 03 September 2004 (03.09.2004)	Priority date (day/month/year) 04 September 2003 (04.09.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS				

1.	 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 				
2.	This REPORT consists of a total of 5 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
39.	This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).				
	Date of issuance of this report 03 April 2007 (03.04.2007)				
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		lombettes	Authorized officer Nora Lindner		
Facsimile No. +41 22 338 82 70			e-mail: pt02.pct@wipo.int		

Facsimile No. +41 22 338 82 70 Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

Fr	From the INTERNATIONAL SEARCHING AUTHORITY						
To:		PCT					
(CHARLES R. WOLFE, JR. BLANK ROME LLP		·				
	600 NEW H	AMPSHIRE AV				TTEN OPINION OF THE	
	WASHING	ron, DC 20037			INTERNATIO	NAL SEARCHING AUTHORITY	
					(PCT Rule 43bis.1)		
				Date of mailing (day/month/year)	16 FEB 2007		
Γ	Applicant's	or agent's file re	ference		FOR FURTHER ACTION See paragraph 2 below		
	111828.111					Priority date (day/month/year)	
Γ	Internationa	l application No.	l		,,	•	
L	PCT/US04/	28637	03 Septe	mber 2004 (03.	.09.2004)	04 September 2003 (04.09.2003)	İ
ſ			cation (IPC) or both nat		uon and IPC		
١	IPC(8): A	.61K 9/50(2006.0 24/501;514/77 <u>2.3</u>	01); A61K 47/30(2006	.01)			
ŀ	USPC: 42	24/3012,14/7/2.3					
١	••	ED STATES OF	AMERICA				J
L	THE CIVIT	LD STATES C.]
	1. This o	pinion contains in	dications relating to the	e following iter	ms:		
	Box No. 1 Basis of the opinion						
Ì		Box No. II	Priority				Į.
١	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
١	\bowtie	Box No. IV	Lack of unity of inve				
	Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1		Box No. Vl	Certain documents c	ted			
١		Box No. VII	Certain defects in the	international a	pplication		
		Box No. VIII	Certain observations	on the internati	ional application		
	2 121110	THER ACTIO)N				
2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
	Name and mailing address of the ISA/US Date of completion of this opinion Authorized officer Authorized officer				Man)		
		Mail Stop PCT, At	tn: ISA/US	-		Carlos A. Azpuyu	The
Commissioner for Patents P.O. Box 1450		23 January 2	2007 (23.01.2007)	Ton	+		
	P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 703-308-1235 Telephone No. 703-308-1235						

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/28637	

Box N	o. I Basis of this opinion			
	·			
1. With regard to the language, this opinion has been established on the basis of:				
the international application in the language in which it was filed				
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).			
2. With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, this opinion has been established on the basis of:			
a.	type of material			
	a sequence listing			
	table(s) related to the sequence listing			
b.	format of material			
	on paper			
	in electronic form			
	in electronic form			
c.	time of filing/furnishing			
	contained in the international application as filed.			
	filed together with the international application in electronic form.			
	-			
	furnished subsequently to this Authority for the purposes of search.			
3. 🔲	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
4. Ad	ditional comments:			
[
1				
1				
1				
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Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/28637	

Box No. IV Lack of unity of invention				
1. 🔀	paid additional fees			
	paid additional fees under protest and, where applicable, the protest fee			
	paid additional fees under protest but the applicable protest fee was not paid			
	not paid additional fees This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to			
2	pay additional fees.			
3. Th	is Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is			
	complied with			
	not complied with for the following reasons: e the lack of unity section of the International Search Report(Form PCT/ISA/210)			
36	e die lack of unity section of the international season respond out to the basis,			
4 Con	sequently, this opinion has been established in respect of the following parts of the international application:			
\	all parts.			
	the parts relating to claims Nos			

Form PCT/ISA/237 (Box No. IV) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/28637

Box No. V Reasoned statement under Rule 43 applicability; citations and explana	bis.1(a)(i) with regard to novelty, i tions supporting such statement	inventive step or industrial
1. Statement		
Novelty (N)	Claims 1-104	YES
11010111 (11)	Claims NONE	NO
Inventive step (IS)	Claims 1-104	
	Claims NONE	NO
V A A CONTRACTOR OF A CONTRACT	Claima 1 104	YES
Industrial applicability (IA)	Claims <u>1-104</u> Claims <u>NONE</u>	YES NO
	Ciainis NONE	
	,	
2. Citations and explanations:		
Claims 1-104 meet the criteria set out in PCT Article 3: making nanogels comprising the steps of providing a m nanoparticles; and well as using the nanoparticles to for	ionomer; copolymerizing, liquefying and	ach or fairly suggest the method of diluting, then gelling to form
Claims 1-104 meet the criteria set out in PCT Article 3		ty because the subject matter claimed
can be made or used in industry.	5(4), and thus have industrial application	ty been and subject makes examined
·		
·		

Form PCT/ISA/237 (Box No. V) (April 2005)